

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WB9XZK

(Call Sign)

XD FX MO

(Class of Station)

0475-EX-ST-2004

(File Number)

NAME Northrop Grumman Systems Corporation

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Test and development of military equipment.

Station Locations

- (1) Melbourne (BREVARD), FL - NL 28-05-38; WL 80-38-42; MOBILE: airborne at altitude of 10700 m., within 680 km
- (2) Robins Air Force Base (HOUSTON), GA - NL 32-38-25; WL 86-35-31; MOBILE: airborne at altitude of 10700 m., within 680 km
- (3) Hickam Air Force Base (HONOLULU), HI - NL 21-18-58; WL 157-55-36; MOBILE: airborne at altitude of 10700 m., within 680 km
- (4) Norfolk (GLOUCESTER), VA - NL 36-50-09; WL 76-15-01; MOBILE: airborne at altitude of 10700 m., within 680 km

Frequency Information

Melbourne (BREVARD), FL - NL 28-05-38; WL 80-38-42; MOBILE: airborne at altitude of 10700 m., within 680 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
440.75 MHz	FX	6M00G1D	16 W (ERP)	

This authorization effective August 15, 2004 and
will expire 3:00 A.M. EST February 15, 2005

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Melbourne (BREVARD), FL - NL 28-05-38; WL 80-38-42; MOBILE: airborne at altitude of 10700 m., within 680 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
440.75 MHz	MO	6M00G1D	75 W (ERP)	
443.75 MHz	FX	6M00G1D	16 W (ERP)	
443.75 MHz	MO	6M00G1D	75 W (ERP)	
446.75 MHz	FX	6M00G1D	16 W (ERP)	
446.75 MHz	MO	6M00G1D	75 W (ERP)	
9750-9950 MHz	MO	800KG1D	19.5 kW (ERP)	
10150-10450 MHz	MO	21M4G1D	27 kW (ERP)	

Robins Air Force Base (HOUSTON), GA - NL 32-38-25; WL 86-35-31; MOBILE: airborne at altitude of 10700 m., within 680 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
440.75 MHz	MO	6M00G1D	75 W (ERP)	
440.75 MHz	FX	6M00G1D	16 W (ERP)	

Frequency Information

Robins Air Force Base (HOUSTON), GA - NL 32-38-25; WL 86-35-31; MOBILE: airborne at altitude of 10700 m., within 680 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
443.75 MHz	FX	6M00G1D	16 W (ERP)	
443.75 MHz	MO	6M00G1D	75 W (ERP)	
446.75 MHz	FX	6M00G1D	16 W (ERP)	
446.75 MHz	MO	6M00G1D	75 W (ERP)	
9750-9950 MHz	MO	800KG1D	19.5 kW (ERP)	
10150-10450 MHz	MO	21M4G1D	27 kW (ERP)	

Hickam Air Force Base (HONOLULU), HI - NL 21-18-58; WL 157-55-36; MOBILE: airborne at altitude of 10700 m., within 680 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
440.75 MHz	MO	6M00G1D	75 W (ERP)	
440.75 MHz	FX	6M00G1D	16 W (ERP)	
443.75 MHz	FX	6M00G1D	16 W (ERP)	

Frequency Information

Hickam Air Force Base (HONOLULU), HI - NL 21-18-58; WL 157-55-36; MOBILE: airborne at altitude of 10700 m., within 680

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
443.75 MHz	MO	6M00G1D	75 W (ERP)	
446.75 MHz	FX	6M00G1D	16 W (ERP)	
446.75 MHz	MO	6M00G1D	75 W (ERP)	
9750-9950 MHz	MO	800KG1D	19.5 kW (ERP)	
10150-10450 MHz	MO	21M4G1D	27 kW (ERP)	

Norfolk (GLOUCESTER), VA - NL 36-50-09; WL 76-15-01; MOBILE: airborne at altitude of 10700 m., within 680 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
440.75 MHz	MO	6M00G1D	75 W (ERP)	
440.75 MHz	FX	6M00G1D	16 W (ERP)	
443.75 MHz	FX	6M00G1D	16 W (ERP)	
443.75 MHz	MO	6M00G1D	75 W (ERP)	

Frequency Information

Norfolk (GLOUCESTER), VA - NL 36-50-09; WL 76-15-01; MOBILE: airborne at altitude of 10700 m., within 680 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
446.75 MHz	FX	6M00G1D	16 W (ERP)	
446.75 MHz	MO	6M00G1D	75 W (ERP)	
9750-9950 MHz	MO	800KG1D	19.5 kW (ERP)	
10150-10450 MHz	MO	21M4G1D	27 kW (ERP)	

Special Conditions:

- (1) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (2) Subject to prior coordination with: Gulf Area Frequency Coordinator (Eglin AFB, FL) (850) 882-4416; Eastern Area Frequency Coordinator (Patrick AFB, FL) (407) 494-5837/5838; JFMO Lant (Norfolk, VA) (757) 836-8010; JFMO Pac (Honolulu, HI) (808) 477-1051/1052.